
UNIVERSITI SAINS MALAYSIA

Second Semester Examination
Academic Session 2008/2009

April/May 2009

RQK 337 – Quantity Surveying II
[Ukur Bahan 2]

Duration: 2 hours
[Masa: 2 jam]

Please check that this examination paper consists of EIGHT pages of printed material before you begin the examination.

Sila pastikan bahawa kertas peperiksaan ini mengandungi LAPAN muka surat yang tercetak sebelum anda memulakan peperiksaan ini.

Method of measurement should be in accordance to the Standard Method of Measurement for Building Works, 2nd edition (SMM2) and Malaysian Civil Engineering Standard Method of Measurement (CESMM), where applicable.

Kaedah pengukuran perlu berdasarkan kepada prinsip-prinsip dalam Kaedah Ukuran Piawai bagi Kerja Bangunan Edisi Kedua (SMM2) dan Kaedah Ukuran Piawai bagi Kerja Kejuruteraan Awam (CESMM), mengikut kesesuaian.

Answer **ALL** questions.

Jawab **SEMUA** soalan.

...2/-

1. With reference to the Road and Drainage Drawing, you are required to prepare the taking-off for road works, accommodating 15 lots of parking space. Each parking lot has an equal dimension of 4800 mm length and width of 2380 mm. You are not required to measure the RC drain shown in the drawing

Merujuk kepada Road and Drainage Drawing, anda diminta menyediakan taking-off untuk kerja-kerja jalan untuk tempat letak kereta (15 lot). Setiap lot itu mempunyai ukuran sekata 4800 mm panjang dan lebar 2380 mm. Sila abaikan pengiraan untuk R.C. drain seperti yang ditunjukkan di dalam lukisan ini.

(100 marks/markah)

2. Measure all the items connected with concreting works (insitu concrete, formwork and reinforcement) for Staircase **Flight B** based on Drawings:-

*Ukur segala item yang berkaitan dengan kerja-kerja konkrit (konkrit insitu, acuan dan tetulang) untuk Tangga **Flight B** berdasarkan Lukisan:-*

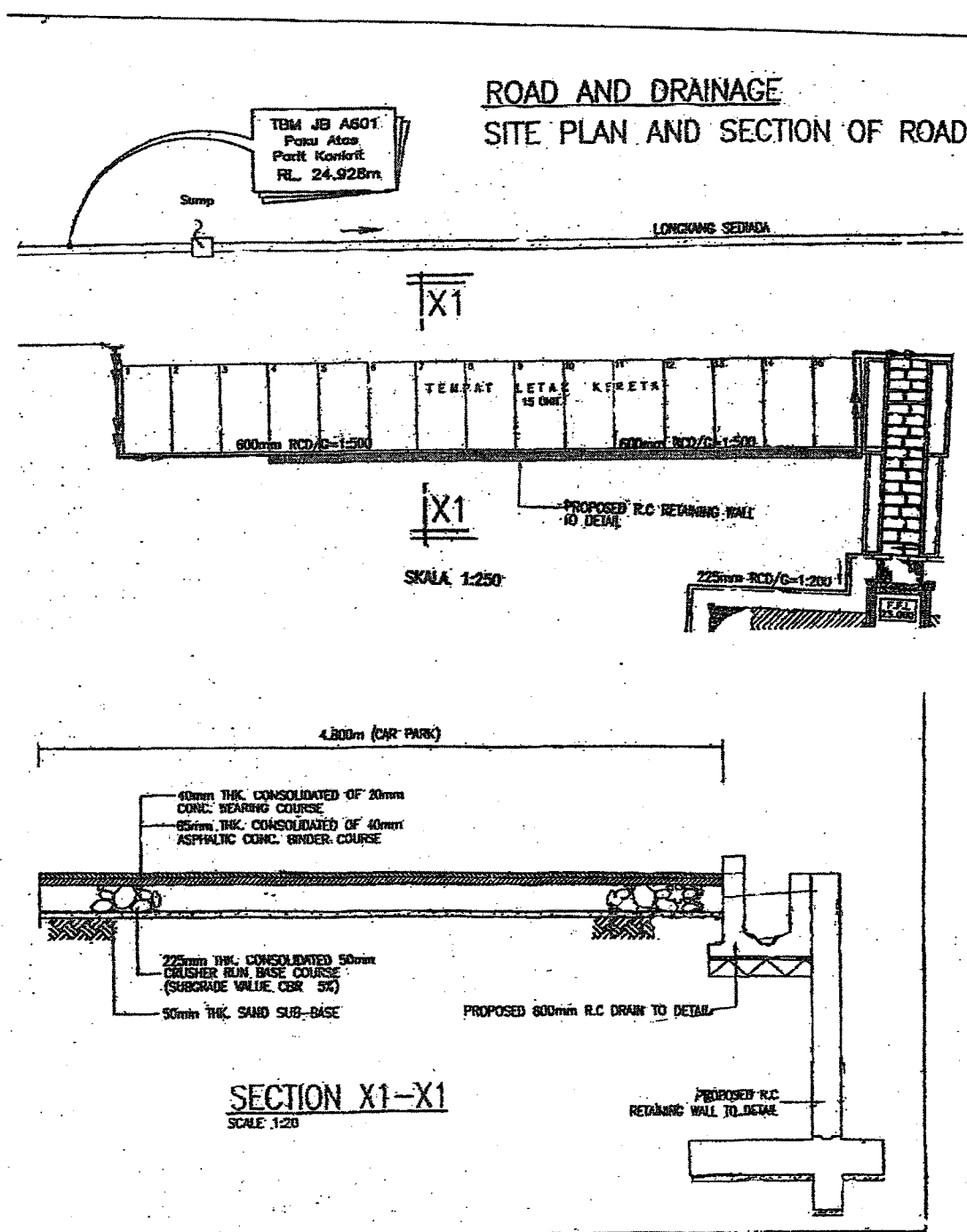
- (a) Stairs/1;
- (b) Stairs/2;
- (c) Stairs/3;

(100 marks/markah)

3. Measure all items in relation to the structural steel "A" frame as shown on drawings No.SS/1 and SS/2. Method of measurement shall be in accordance to SMM2.

Ukur semua item yang berkaitan dengan kerangka besi "A" seperti yang ditunjukkan dalam lukisan No.SS/1 dan SS/2. Kaedah pengukuran perlu berdasarkan kepada SMM2.

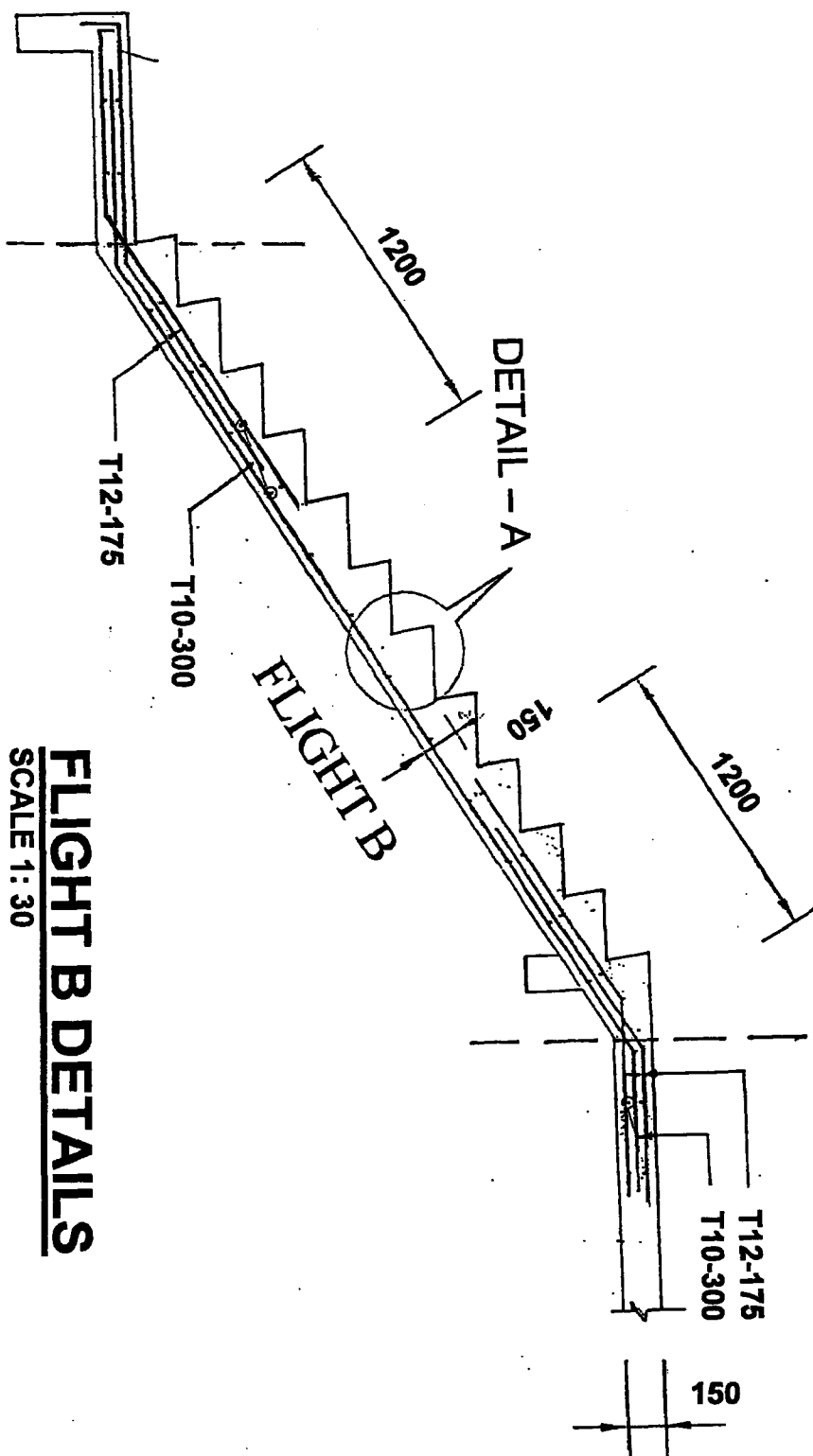
(100 marks/markah)



SECTION Y-Y

NOTES:

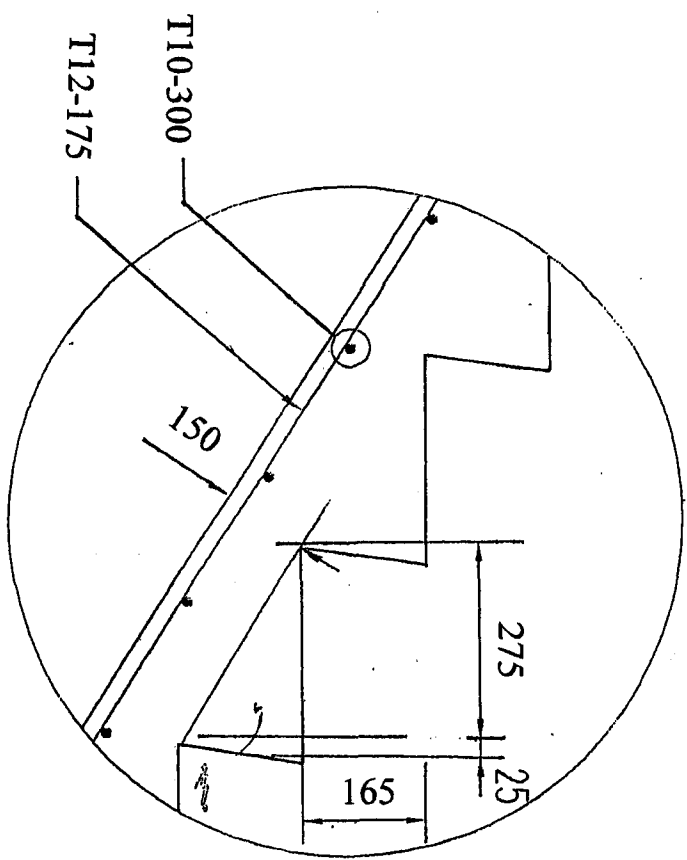
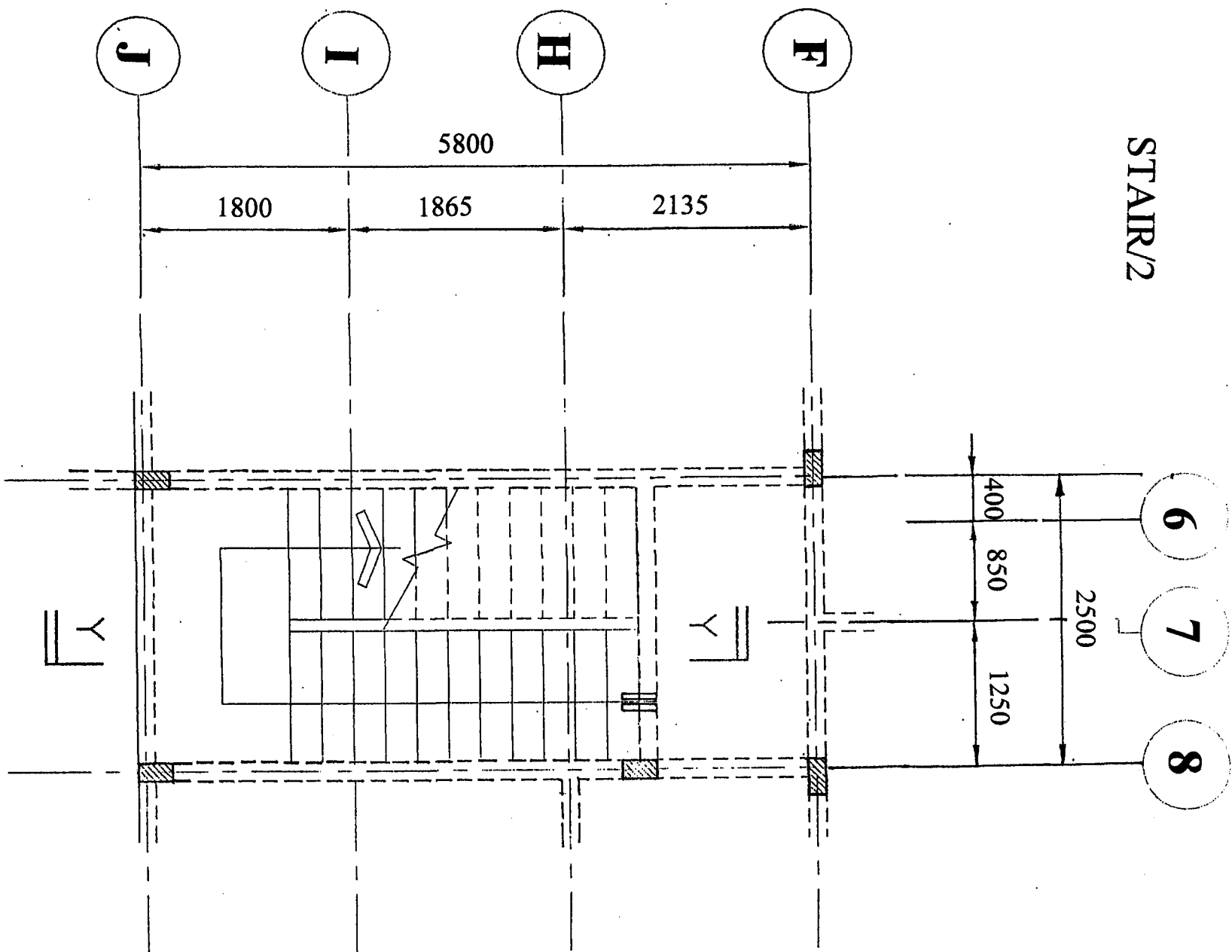
- 1) ALL MAIN BARS SHALL BE T12-150 UNLESS OTHERWISE STATED
- 2) ALL DISTRIBUTION BARS SHALL BE T10-300 UNLESS OTHERWISE STATED



FLIGHT B DETAILS

SCALE 1:30

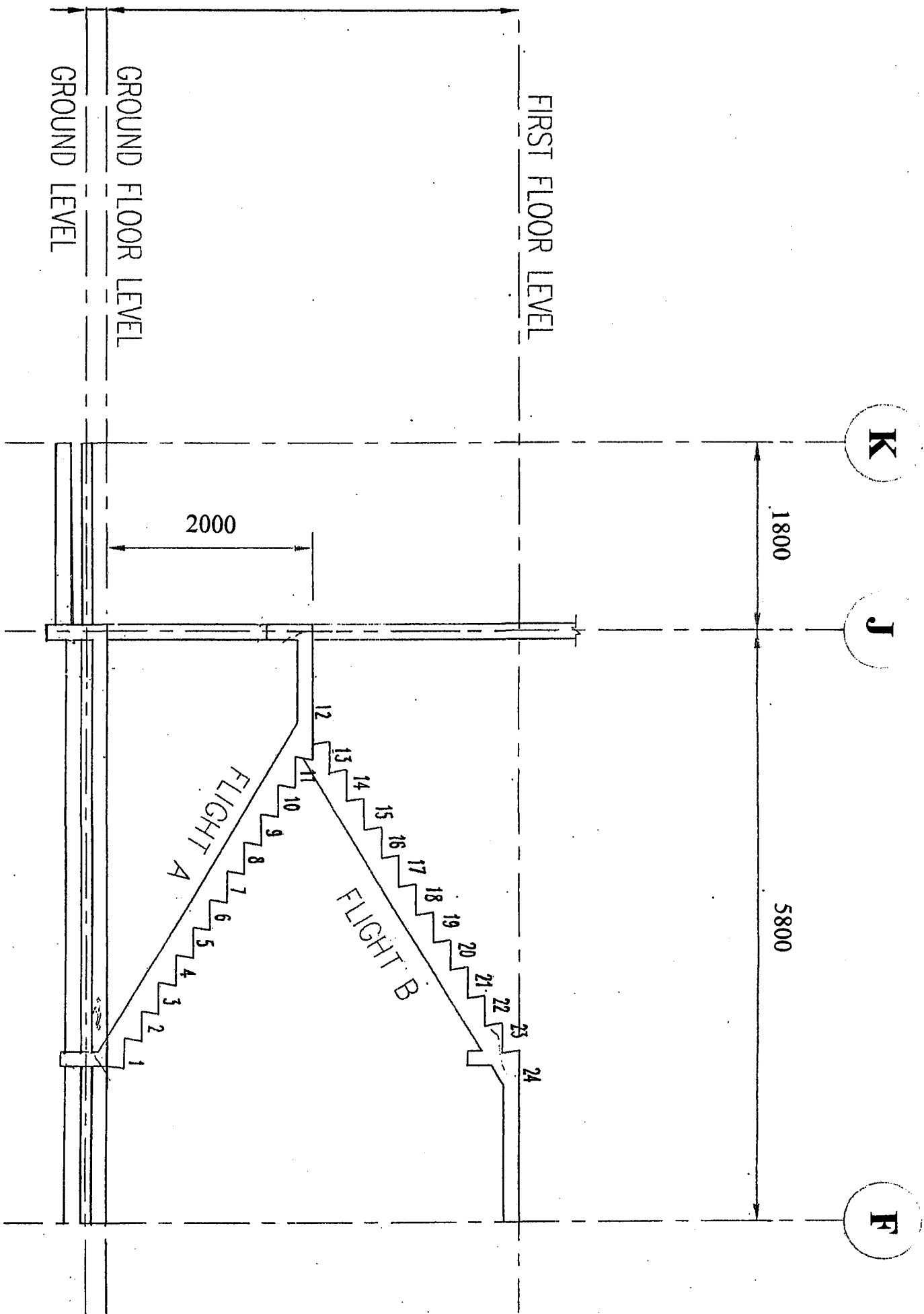
STAIR/2



DETAIL - A
SCALE 1:10

STAIRCASE (GROUND FLOOR TO 1ST FLOOR)
SCALE 1:50

STAIRS/3



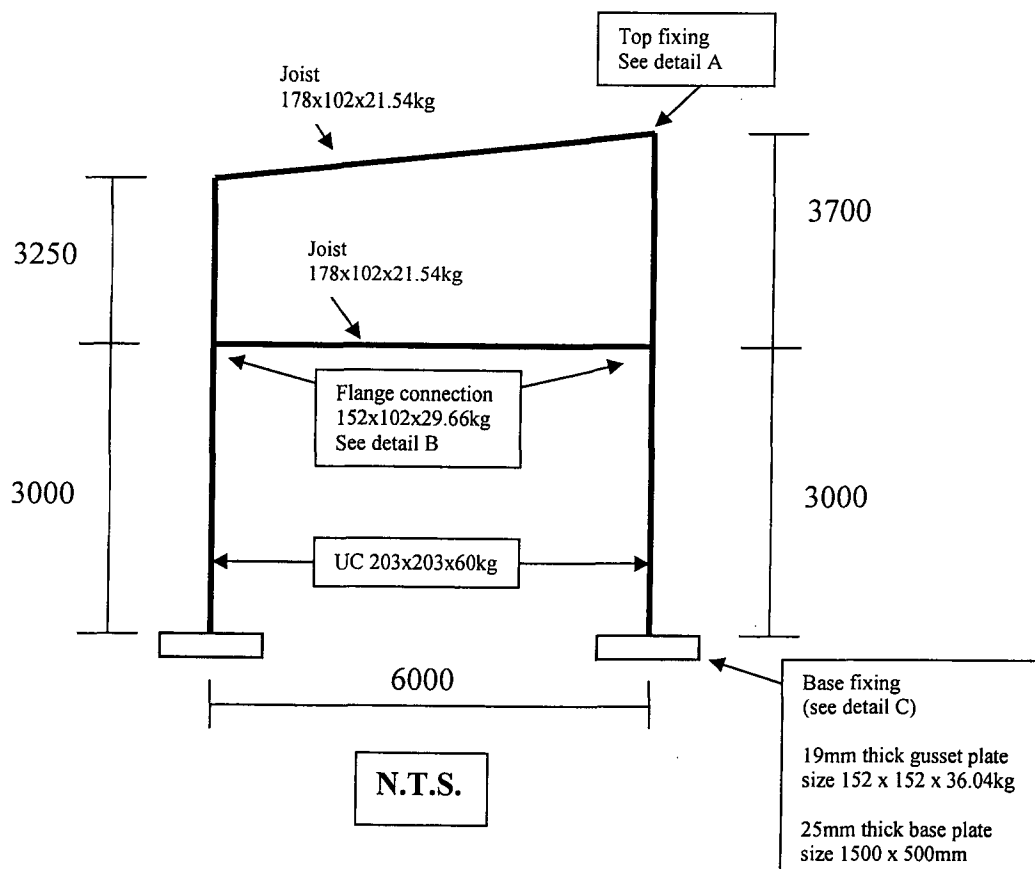
SECTION Y-Y

NOTES:

- 1) ALL MAIN BARS SHALL BE T12-150 UNLESS OTHERWISE STATED
- 2) ALL DISTRIBUTION BARS SHALL BE T10-300 UNLESS OTHERWISE STATED

Drawing No. SS/1

Drawing Title: Elevation for "A" frame steelwork



...8/-

Drawing Title: Diagrammatic Details For "A" Frame Steelwork

